



Sheet 1 of 1

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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | ATTORNEY DOCKET NO. | APPLICATION NO. |
| | 1761.1090 | 10/579,567 |
| | FIRST NAMED INVENTOR | |
| | Naoki NAKAGAWA et al. | |
| | FILING DATE | GROUP/ART UNIT |
| | May 17, 2006 | 3745 |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NO. | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
|----------------------|----|-----------------|------------|---------------|-------|---------------|----------------|
| | AA | 4,929,098 | 05/29/1990 | Takata et al. | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | TRANSLATION YES NO | | ABSTRACT |
|--|----|-----------------|------------|---------|-----------------------|---|----------|
| | AG | 10-184677 | 07/14/1998 | Japan | | X | X |
| | AH | 2004-019731 | 01/22/2004 | Japan | | X | X |
| | AI | 2002-147449 | 05/22/2002 | Japan | | X | X |
| | AJ | 2003-130057 | 05/08/2003 | Japan | | X | X |
| | AK | 01-224523 | 09/07/1989 | Japan | | X | X |
| | AL | | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | | | TRANSLATION YES NO | |
|--|----|--|--|--|--|-----------------------|--|
| | AM | | | | | | |

| | |
|---|-----------------|
| EXAMINER | DATE CONSIDERED |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

**ATTACHMENT 1(e)****EXPLANATIONS OF RELEVANCY
OF REFERENCES**

| | |
|-----------------------|-----------------|
| ATTORNEY DOCKET NO. | APPLICATION NO. |
| 1761.1090 | 10/579,567 |
| FIRST NAMED INVENTOR | |
| Naoki NAKAGAWA et al. | |
| FILING DATE | GROUP ART UNIT |
| May 17, 2006 | 3745 |

*Please note that reference (AA) corresponds to reference (AK).

*Please note that reference JP 2004-011737A was also cited in the English Translation of the International Preliminary Report on Patentability issued March 27, 2007 and was submitted in a previous Information Disclosure Statement filed May 17, 2006.

*Please note that reference JP 2004-245251 A was also cited in the English Translation of the International Preliminary Report on Patentability issued March 27, 2007 and was submitted in a previous Information Disclosure Statement filed February 1, 2008.

* Please note that reference JP 2000-356218 A was also cited in the English Translation of the International Preliminary Report on Patentability issued March 27, 2007 and was submitted in a previous Information Disclosure Statement filed October 23, 2007.

* Please note that reference JP 61-171917 A was also cited in the English Translation of the International Preliminary Report on Patentability issued March 27, 2007 and was submitted in a previous Information Disclosure Statement filed July 23, 2007.

**ATTACHMENT 1(f)****LIST OF COPENDING APPLICATIONS**

ATTORNEY DOCKET NO.

APPLICATION NO.

1761.1090

10/579,567

FIRST NAMED INVENTOR

Naoki NAKAGAWA et al.

FILING DATE

GROUP ART UNIT

May 17, 2006

3745

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided, UNLESS DOMESTIC PRIORITY IS CLAIMED THEREON UNDER 35 U.S.C. § 120 AND/OR THE APPLICATION IS PUBLISHED. 37 CFR § 1.98(a)(2)(II),(III) AND 1.98(3)(d)(1).

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT APPLICATION DOCUMENTS

| *EXAMINER INITIAL | | U.S. SERIAL NO. | FILING DATE | NAME | ASSIGNEE |
|-------------------|---|-----------------|-------------|---------------|-----------------|
| | 1 | 11/663,162 | 3-19-2007 | Nobuyuki Mori | NTN Corporation |
| | 2 | | | | |
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| | 6 | | | | |
| | 7 | | | | |
| | 8 | | | | |

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



ATTACHMENT 1(g)

| | | |
|---|-----------------------|-----------------|
| LIST OF ADDITIONAL SUBMITTED DOCUMENTS | ATTORNEY DOCKET NO. | APPLICATION NO. |
| | 1761.1090 | 10/579,567 |
| | FIRST NAMED INVENTOR | |
| | Naoki NAKAGAWA et al. | |
| | FILING DATE | GROUP ART UNIT |
| | May 17, 2006 | 3745 |

The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of document(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NO. | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
|----------------------|----|-----------------|------|------|-------|---------------|----------------|
| | BA | | | | | | |
| | BB | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION YES NO | |
|--|----|-----------------|------|---------|-------|---------------|-----------------------|--|
| | BC | | | | | | | |
| | BD | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | | | | TRANSLATION YES NO | |
|--|----|---|--|--|--|--|-----------------------|--|
| | BE | English Translation of the International Preliminary Report on Patentability issued March 27, 2007 related to U.S. patent application no. 11/663,162. | | | | | X | |

| | |
|--|-----------------|
| EXAMINER | DATE CONSIDERED |
| <p>*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | |